

云南剪股颖属新分类群

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NEW TAXA OF THE GENUS *AGROSTIS* FROM YUNNAN

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Abstract In the paper two species and one variety of the genus *Agrostis* L. are described as new from Yunnan Province, China. They are *Agrostis lushuiensis*, *A. kunmingensis* and *A. myriantha* Hook. f. var. *yangbiensis*.

Key words *Agrostis*; *A. lushuiensis*; *A. kunmingensis*; *A. myriantha* var. *yangbiensis*

关键词 剪股颖属; 泸水剪股颖; 昆明剪股颖; 漾濞剪股颖

泸水剪股颖 新种 图1

Agrostis lushuiensis B. S. Sun et Y. C. Wang, sp. nov.

Species *A. schneideri* Pilger affinis, sed laminis basi saepe tortis, Panicula sparse patenti, in quoque nodo ramulis plerumque 2 orta, glabris; glumis minio inaequalibus; pedicellis 1—3 mm longis laevibus glabris differt.

Gramen perenne. Culmi dense caespitosi, tenui, erecti laeves glabrique, 3—4—nodes, 0.5—0.8 mm crassi, usque ad 20—25 cm alti. Foliorum vaginae glabae, laxae, saepe internodiis breviores; ligulae membranaceae, dorso glabrae, 0.5—1.5 mm longae, apice obtusae, basi e lateribus decurrentes; laminae planae vel margine involutae, lineares vel acaesae acuminatae, 3—5 cm longae, c. 1 mm latae, basi saepe tortae, ad paginam superiorem marginamque scabrae, inferiorem leviter glabrae. Panicula elliptica, sparsim patens 5—8 cm longa, 2—3 cm lata, in quoque nodo ramulis plerumque 2 glabris, capillaribus 2.5 cm longis, in dimidia parte natis orta; spiculae violaceae; pedicelli laeves glabrique capillares, 1—3 mm longi apice in clavas leviter ampliati; glumae

anguste ovatae, nimio inaequales, adcarinam glabrae vel leviter scabrae, primae 1.7 — 2 mm longae apice pungentes, secundae 1.5 — 1.7 mm longae apice

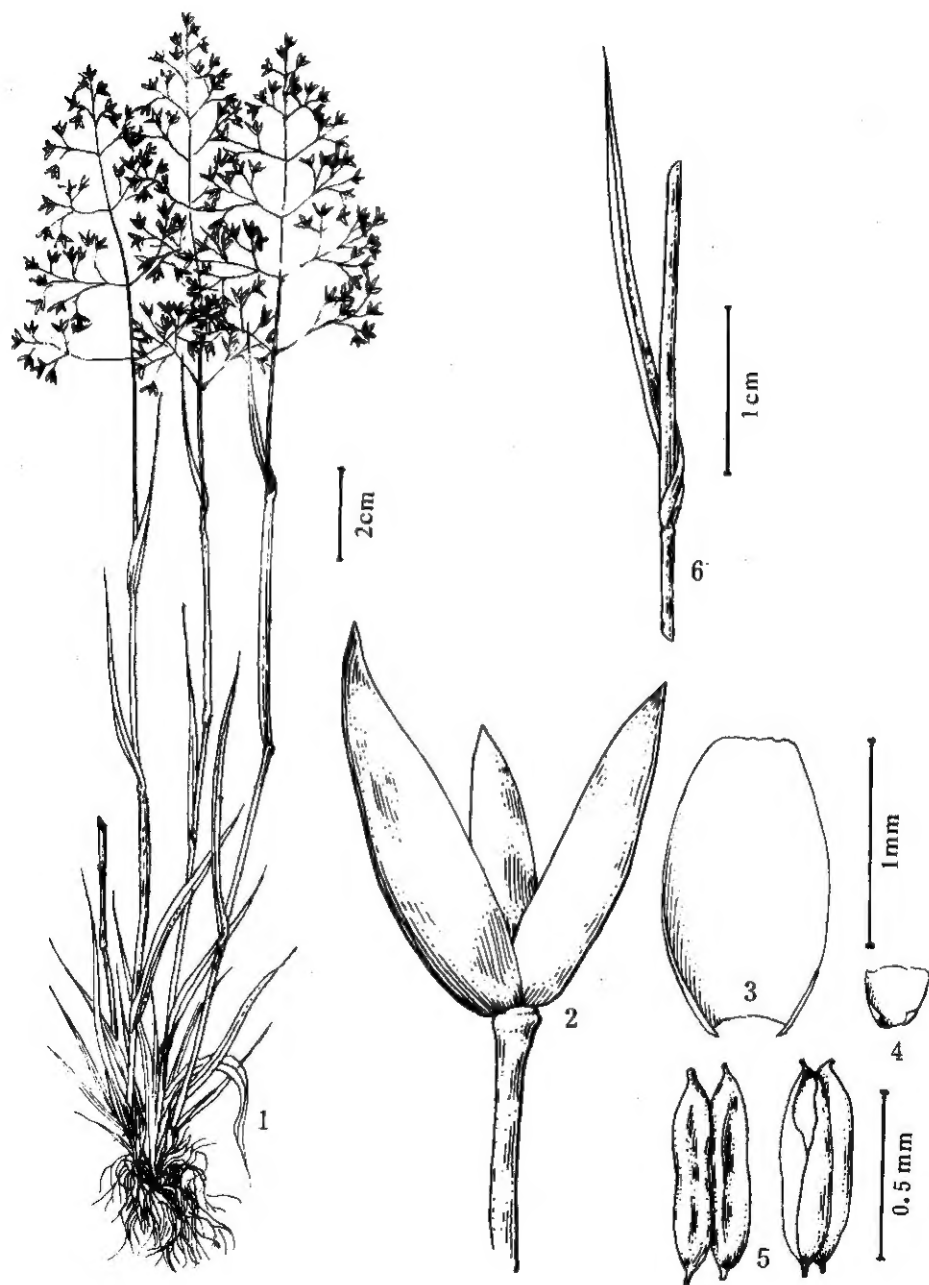


图1 泸水剪股颖 1. 植株; 2. 小穗; 3. 外稃; 4. 内稃; 5. 花药;

6. 秆和一部分叶, 示叶基部扭转。(张迎得绘)

Fig.1 *Agrostis lushuiensis* 1. plant; 2. spikelet; 3. lemma; 4. palea; 5. anthers;
6. part of culm and leaves, showing the base of leaves turning round.

acutae; lemma hyalinum membranaceum oblongum, apice obtusum 2 denticulatum 1.2 — 1.35 mm longum, 5-nerve muticum vel aliquando sub apice aristatum, arista 0.3 — 0.6 mm longa; callo glabor; paleae hyalinae membranaceae, ovatae, 0.2 — 0.25 mm longae; antherae 0.5 — 0.65 mm longae.

Yunnan (云南): Lushui (泸水), meadow beside bamboo-forest, alt. 3 600 m, 1978. 08. 03., Bijiang Exped. (碧江队) 1724 (Type, KUN; Isotype, YUNU); same locality, alt. 3 100 m, 1991. 10. 04., Wang Yang-cai (王阳才), Zhu Li-juan (朱丽娟) 91035, 91039, 91044 (YUNU).

多年生草本。秆直立, 细弱, 密集丛生, 光滑无毛, 直径 0.5 — 0.8 mm, 具 3 — 4 节, 高 20 — 25 cm。叶鞘光滑无毛, 疏松抱茎, 常短于节间; 叶舌膜质, 背面光滑, 长 0.5 — 1.5 mm, 顶端钝, 边缘下延; 叶片扁平或内卷, 线形或针状, 顶端渐尖, 长 3 — 5 cm, 宽约 1 mm, 基部常扭转, 上面及边缘粗糙, 下面近光滑。圆锥花序椭圆形, 稀疏开展, 长 5 — 8 cm, 宽 2 — 3 cm, 每节具 2 分枝; 分枝纤细, 光滑无毛, 长 2.5 cm, 下半部裸露; 小穗紫色; 小穗柄长 1 — 3 mm, 纤细光滑无毛, 顶端微膨大成棒状; 颖片狭卵圆形, 脊上光滑或微粗糙, 不等长, 第一颖长 1.7 — 2 mm, 顶端锐尖, 第二颖长 1.5 — 1.7 mm, 顶端急尖; 外稃透明膜质, 长圆形, 顶端钝, 具 2 齿, 长 1.2 — 1.35 mm, 具 5 脉, 无芒或偶在近顶端着生 0.3 — 0.6 mm 的短芒; 基盘光滑无毛; 内稃透明膜质, 卵圆形, 长 0.2 — 0.25 mm; 花药长 0.5 — 0.65 mm。

本种与施氏剪股颖 *A. schneideri* Pilger 近似, 但叶片基部常扭转; 圆锥花序稀疏开展, 每节具 2 枚分枝, 分枝光滑; 颖片较小, 不等长; 小穗柄光滑无毛, 长 1 — 3 mm 而不同。

昆明剪股颖 新种 图 2

Agrostis kunmingensis B. S. Sun et Y. C. Wang, sp. nov.

Species *A. morrisonensi* Hayata affinis, sed spiculis longioribus, callis pilis 0.4 — 0.5 mm longis instructis differt.

Gramen perenne, rhizomate. Culmi erecti laeves glabrique, 4 — 7-nodes, 2 — 2.5 mm crassi, usque ad 70 — 90 cm alti. Foliorum vaginae glabrae, laxae, inferne internodiis longiores sed superne breviores; ligulae scariosae 2 — 3 mm longae, apice obtusae dorso scaberulae; laminae planae, lineares, 10 — 16 cm longae, 2.5 — 3.5 mm latae, utrinque scaberulae, apice acuminatae. Panícula patens 15 — 23 cm longa, 4 — 6 cm lata, in quoque nodo ramulis 2 — 6 oblique extensis capillaribus, usque ad 12 cm longis, scabrebus. Spiculae viridi-violaceae; pedicelli 2 — 4 mm longi, scaberuli, apice in clavas leviter ampliati; glumae subaequales oblongo-lanceolatae, apice pungentes, ad carinam scaberulae, primae 2.5 — 2.8 mm longae, secundae 2.4 — 2.6 mm longae; lemma membranaceum oblongum, scaberulum, obtusum vel truncatum, 1.7 — 2.1 mm longum, arista 0.3 — 0.6 mm longa, tenuis, dorso ex medio eius

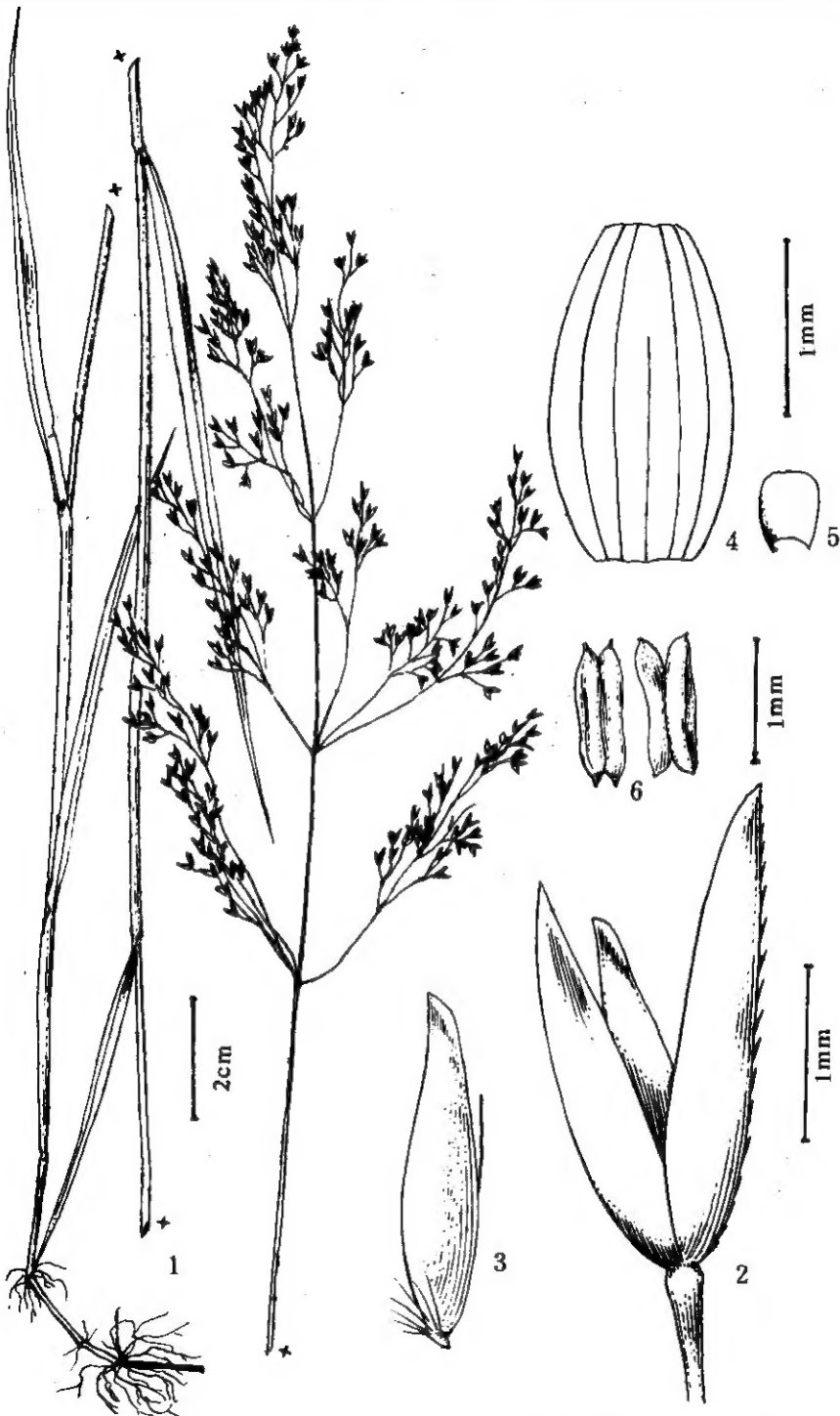


图2 昆明剪股颖 1. 植株; 2. 小穗; 3. 小花, 示着生于基盘的毛; 4. 外稃;
5. 内稃; 6. 花药。(张迦得绘)

Fig.2 *Agrostis kunmingensis* 1. plant; 2. spikelet; 3. floret, showing callus with hairs;
4. lemma; 5. palea; 6. anthers.

orta vel absens; callus pilifer pilis 0.4 — 0.5 mm longis; palea hyalina membranacea, ovata 0.4 — 0.55 mm longa, obtusa, obscure 2-nervis; antherae lineares 1 — 1.25 mm longae.

Yunnan (云南): Kunming (昆明), Heilongtan (黑龙潭), moist grassy slope, 1954.07.15., P. Y. Qiu (邱炳云) 50508 (Type, KUN); same locality, alt. 1890 m, 1991.08.21., Li Xin (李信) 910020 (YUNU).

多年生草本，具根状茎。秆直立，光滑无毛，直径 2 — 2.5 mm，具 4 — 7 节，高 70 — 90 cm。叶鞘光滑无毛，下部长于节间，上部短于节间，疏松抱茎；叶舌干膜质，顶端钝，背面微粗糙，长 2 — 3 mm；叶片扁平，线形，顶端渐尖，长 10 — 16 cm，宽 2.5 — 3.5 mm，上下两面均粗糙。圆锥花序开展，长 15 — 23 cm，宽 4 — 6 cm，每节具 2 — 6 枚分枝；分枝纤细，粗糙，长达 12 cm；小穗绿紫色；小穗柄长 2 — 4 mm，粗糙，顶端微膨大成棒状；颖片近等长，长圆披针形，顶端锐尖，脊上微粗糙，第一颖长 2.5 — 2.8 mm，第二颖长 2.4 — 2.6 mm；外稃膜质，长圆形，微粗糙，顶端钝或平截，长 1.7 — 2.1 mm，无芒或具长 0.3 — 0.6 mm 的细弱芒，着生于外稃中部；基盘具长 0.4 — 0.5 mm 的毛；内稃透明膜质，阔卵形，长 0.4 — 0.55 mm，顶端钝，有时出现不明显的 2 脉；花药线形，长 1 — 1.25 mm。

本种与玉山剪股颖 *A. morrisonensis* Hayata 相近似，但小穗较长，基盘具 0.4 — 0.5 mm 的毛而不同。

漾濞剪股颖 新变种

Agrostis myriantha Hook. f. var. *yangbiensis* B. S. Sun et Y. C. Wang, var. nov.

A type recedit palea triangulari, longiore, usque ad 0.5 — 0.7 mm longa, lemmate c. dimidio longiore; lemmate apice truncato, latius.

Yunnan (云南): Yangbi (漾濞), beside road under rhododendron-bamboo forest, alt. 3200 m, 1963.06.07., NW. Yunnan Jinsha River Exped. (滇西北金沙江队) 4367A (Type, KUN).

与原变种多花剪股颖 var. *myriantha* 的区别在于，内稃呈三角形，较长，0.5 — 0.7 mm，长约为外稃的一半；外稃顶端平截，较宽。